STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/523,400
Source: PCT
Date Processed by STIC: 03/03/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED **SUGGESTED CORRECTION** **SERIAL NUMBER:** 10/523,400

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1	Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2	Invalid Line Length	The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
3	Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
4	Non-ASCII	The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**
5	Variable Length	Sequence(s)____contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6	PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
7	Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
8	Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If **intentional**, please insert the following lines for **each** skipped sequence. <210> sequence id number <400> sequence id number 000
9	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
10	Invalid <213> Response	Per 1.823 of Sequence Rules, ~~the only valid~~ <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
11	Use of <220>	Sequence(s) ___ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules
12	PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13	Misuse of n/Xaa	"n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid

PCT

RAW SEQUENCE LISTING DATE: 03/03/2006
PATENT APPLICATION: **US/10/523,400** TIME: 12:55:26

Input Set : **A:\US10523400-seq list.txt**
Output Set: **N:\CRF4\03032006\J523400.raw**

Does Not Comply
Corrected Diskette Needed
CPG-2, 3, 4, 5

```
 5 <110> APPLICANT: Bernard Pau
 7 <120> TITLE OF INVENTION: Specific antibodies for diagnosing heart failure
 9 <130> FILE REFERENCE: P70365US0
11 <140> CURRENT APPLICATION NUMBER: US 10/523,400
12 <141> CURRENT FILING DATE: 2005-02-03
14 <150> PRIOR APPLICATION NUMBER: PCT/FR03/02483
15 <151> PRIOR FILING DATE: 2003-08-07
17 <150> PRIOR APPLICATION NUMBER: FR 0210063
18 <151> PRIOR FILING DATE: 2002-08-07
20 <160> NUMBER OF SEQ ID NOS: 124
22 <170> SOFTWARE: PatentIn version 3.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 108
26 <212> TYPE: PRT
27 <213> ORGANISM: Homo sapiens : proBNP(1-108)
30 <400> SEQUENCE: 1
32 His Pro Leu Gly Ser Pro Gly Ser Ala Ser Asp Leu Glu Thr Ser Gly
33 1               5                  10                  15
36 Leu Gln Glu Gln Arg Asn His Leu Gln Gly Lys Leu Ser Glu Leu Gln
37             20                  25                  30
40 Val Glu Gln Thr Ser Leu Glu Pro Leu Gln Glu Ser Pro Arg Pro Thr
41         35                  40                  45
44 Gly Val Trp Lys Ser Arg Glu Val Ala Thr Glu Gly Ile Arg Gly His
45     50                  55                  60
48 Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met
49 65                  70                  75                  80
52 Val Gln Gly Ser Gly Cys Phe Gly Arg Lys Met Asp Arg Ile Ser Ser
53                 85                  90                  95
56 Ser Ser Gly Leu Gly Cys Lys Val Leu Arg Arg His
57             100                 105
60 <210> SEQ ID NO: 2
61 <211> LENGTH: 32
62 <212> TYPE: PRT
63 <213> ORGANISM: Homo sapiens : proBNP(77-108)
67 <400> SEQUENCE: 2
69 Ser Pro Lys Met Val Gln Gly Ser Gly Cys Phe Gly Arg Lys Met Asp
70 1               5                  10                  15
73 Arg Ile Ser Ser Ser Ser Gly Leu Gly Cys Lys Val Leu Arg Arg His
74             20                  25                  30
77 <210> SEQ ID NO: 3
78 <211> LENGTH: 76
79 <212> TYPE: PRT
80 <213> ORGANISM: Homo sapiens : proBNP(1-76)
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RAW SEQUENCE LISTING DATE: 03/03/2006
PATENT APPLICATION: **US/10/523,400** TIME: 12:55:26

Input Set : **A:\US10523400-seq list.txt**
Output Set: **N:\CRF4\03032006\J523400.raw**

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83 <400> SEQUENCE: 3
85 His Pro Leu Gly Ser Pro Gly Ser Ala Ser Asp Leu Glu Thr Ser Gly
86 1               5                  10                  15
88 Leu Gln Glu Gln Arg Asn His Leu Gln Gly Lys Leu Ser Glu Leu Gln
89             20                  25                  30
91 Val Glu Gln Thr Ser Leu Glu Pro Leu Gln Glu Ser Pro Arg Pro Thr
92         35                  40                  45
94 Gly Val Trp Lys Ser Arg Glu Val Ala Thr Glu Gly Ile Arg Gly His
95     50                  55                  60
97 Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg
98 65                  70                  75
101 <210> SEQ ID NO: 4
102 <211> LENGTH: 16
103 <212> TYPE: PRT
104 <213> ORGANISM: Artificial Sequence : proBNP(70-85)
107 <220> FEATURE:
108 <221> NAME/KEY: MOD_RES
109 <222> LOCATION: (1)..(1)
110 <223> OTHER INFORMATION: Acetylation
112 <400> SEQUENCE: 4
114 Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser Gly
115 1               5                  10                  15
118 <210> SEQ ID NO: 5
119 <211> LENGTH: 6
120 <212> TYPE: PRT
121 <213> ORGANISM: Artificial Sequence : proBNP(73-78)
124 <220> FEATURE:
125 <221> NAME/KEY: MOD_RES
126 <222> LOCATION: (1)..(1)
127 <223> OTHER INFORMATION: Acetylation
129 <400> SEQUENCE: 5
131 Arg Ala Pro Arg Ser Pro
132 1               5
135 <210> SEQ ID NO: 6
136 <211> LENGTH: 8
137 <212> TYPE: PRT
138 <213> ORGANISM: Artificial Sequence : peptide
141 <220> FEATURE:
142 <221> NAME/KEY: MOD_RES
143 <222> LOCATION: (1)..(1)
144 <223> OTHER INFORMATION: Acetylation
147 <400> SEQUENCE: 6
149 Cys Gly Arg Ala Pro Arg Ser Pro
150 1               5
153 <210> SEQ ID NO: 7
154 <211> LENGTH: 8
155 <212> TYPE: PRT
156 <213> ORGANISM: Artificial Sequence : peptide
159 <220> FEATURE:
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9/ <2137 Responses are Artificial or Unknown. P/s Explain the Source of Genetic Material on Line <2237. See 9/6m # 10 on Error Summary Sheet.

RAW SEQUENCE LISTING DATE: 03/03/2006
PATENT APPLICATION: **US/10/523,400** TIME: 12:55:26

Input Set : **A:\US10523400-seq list.txt**
Output Set: **N:\CRF4\03032006\J523400.raw**

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160 <221> NAME/KEY: MOD_RES
161 <222> LOCATION: (1)..(1)
162 <223> OTHER INFORMATION: Acetylation
165 <400> SEQUENCE: 7
167 Cys Gly Arg Ala Pro Arg Ser Pro
168 1               5
171 <210> SEQ ID NO: 8
172 <211> LENGTH: 9
173 <212> TYPE: PRT
174 <213> ORGANISM: Artificial Sequence : peptide
177 <220> FEATURE:
178 <221> NAME/KEY: MOD_RES
179 <222> LOCATION: (1)..(1)
180 <223> OTHER INFORMATION: Acetylation
183 <400> SEQUENCE: 8
185 Cys Gly Arg Ala Pro Arg Ser Pro Lys
186 1               5
189 <210> SEQ ID NO: 9
190 <211> LENGTH: 9
191 <212> TYPE: PRT
192 <213> ORGANISM: Artificial Sequence : peptide
195 <220> FEATURE:
196 <221> NAME/KEY: MOD_RES
197 <222> LOCATION: (1)..(1)
198 <223> OTHER INFORMATION: Acetylation
201 <400> SEQUENCE: 9
203 Cys Gly Arg Ala Pro Arg Ser Pro Lys
204 1               5
207 <210> SEQ ID NO: 10
208 <211> LENGTH: 11
209 <212> TYPE: PRT
210 <213> ORGANISM: Artificial Sequence : peptide
213 <220> FEATURE:
214 <221> NAME/KEY: MOD_RES
215 <222> LOCATION: (1)..(1)
216 <223> OTHER INFORMATION: Acetylation
219 <400> SEQUENCE: 10
221 Cys Gly Arg Ala Pro Arg Ser Pro Lys Met Val
222 1               5                   10
225 <210> SEQ ID NO: 11
226 <211> LENGTH: 15
227 <212> TYPE: PRT
228 <213> ORGANISM: Artificial Sequence : peptide
231 <220> FEATURE:
232 <221> NAME/KEY: MOD_RES
233 <222> LOCATION: (1)..(1)
234 <223> OTHER INFORMATION: Acetylation
237 <400> SEQUENCE: 11
239 Cys Gly Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser Gly
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Same Error

RAW SEQUENCE LISTING DATE: 03/03/2006
PATENT APPLICATION: **US/10/523,400** TIME: 12:55:26

Input Set : **A:\US10523400-seq list.txt**
Output Set: **N:\CRF4\03032006\J523400.raw**

240 1 5 10 15
243 <210> SEQ ID NO: 12
245 <211> LENGTH: 8
247 <212> TYPE: PRT
249 <213> ORGANISM: Artificial Sequence : peptide
252 <220> FEATURE:
253 <221> NAME/KEY: MOD_RES
254 <222> LOCATION: (1)..(1)
255 <223> OTHER INFORMATION: Acetylation
259 <400> SEQUENCE: 12
261 Arg Ala Pro Arg Ser Pro Gly Cys
262 1 5
265 <210> SEQ ID NO: 13
267 <211> LENGTH: 8
269 <212> TYPE: PRT
271 <213> ORGANISM: Artificial Sequence : peptide
275 <220> FEATURE:
277 <221> NAME/KEY: MOD_RES
279 <222> LOCATION: (1)..(1)
281 <223> OTHER INFORMATION: Acetylation
285 <400> SEQUENCE: 13
287 Arg Ala Pro Arg Ser Pro Gly Cys
288 1 5
291 <210> SEQ ID NO: 14
293 <211> LENGTH: 11
295 <212> TYPE: PRT
297 <213> ORGANISM: Artificial Sequence : peptide
301 <220> FEATURE:
303 <221> NAME/KEY: MOD_RES
305 <222> LOCATION: (1)..(1)
307 <223> OTHER INFORMATION: Acetylation
311 <400> SEQUENCE: 14
313 Cys Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys
314 1 5 10
317 <210> SEQ ID NO: 15
319 <211> LENGTH: 17
321 <212> TYPE: PRT
323 <213> ORGANISM: Artificial Sequence : peptide
326 <220> FEATURE:
327 <221> NAME/KEY: MOD_RES
328 <222> LOCATION: (1)..(1)
329 <223> OTHER INFORMATION: Acetylation
333 <400> SEQUENCE: 15
335 Cys His Arg Lys Met Val Leu Tyr Thr Leu Arg Ala Pro Arg Ser Pro
336 1 5 10 15
339 Lys
343 <210> SEQ ID NO: 16
345 <211> LENGTH: 17
347 <212> TYPE: PRT

Same Error

RAW SEQUENCE LISTING DATE: 03/03/2006
PATENT APPLICATION: **US/10/523,400** TIME: 12:55:26

Input Set : **A:\US10523400-seq list.txt**
Output Set: **N:\CRF4\03032006\J523400.raw**

```
349 <213> ORGANISM: Artificial Sequence : peptide
352 <220> FEATURE:
353 <221> NAME/KEY: MOD_RES
354 <222> LOCATION: (1)..(1)
355 <223> OTHER INFORMATION: Acetylation
359 <400> SEQUENCE: 16
361 Cys Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser
362 1               5                   10                  15
365 Gly
369 <210> SEQ ID NO: 17
371 <211> LENGTH: 17
373 <212> TYPE: PRT
375 <213> ORGANISM: Artificial Sequence : peptide
378 <220> FEATURE:
379 <221> NAME/KEY: MOD_RES
380 <222> LOCATION: (1)..(1)
381 <223> OTHER INFORMATION: Acetylation
385 <400> SEQUENCE: 17
387 Cys Phe Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser
388 1               5                   10                  15
391 Gly
395 <210> SEQ ID NO: 18
397 <211> LENGTH: 17
399 <212> TYPE: PRT
401 <213> ORGANISM: Artificial Sequence : peptide
404 <220> FEATURE:
405 <221> NAME/KEY: MOD_RES
406 <222> LOCATION: (1)..(1)
407 <223> OTHER INFORMATION: Acetylation
411 <400> SEQUENCE: 18
413 Cys Phe Ser Ile Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser
414 1               5                   10                  15
417 Gly
421 <210> SEQ ID NO: 19
423 <211> LENGTH: 17
425 <212> TYPE: PRT
427 <213> ORGANISM: Artificial Sequence : peptide
431 <220> FEATURE:
433 <221> NAME/KEY: MOD_RES
435 <222> LOCATION: (17)..(17)
437 <223> OTHER INFORMATION: bAla
441 <400> SEQUENCE: 19
443 Cys Tyr Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser
444 1               5                   10                  15
447 Ala
451 <210> SEQ ID NO: 20
453 <211> LENGTH: 17
455 <212> TYPE: PRT
457 <213> ORGANISM: Artificial Sequence : peptide
```

Same Error

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY DATE: 03/03/2006
PATENT APPLICATION: **US/10/523,400** TIME: 12:55:27

Input Set : **A:\US10523400-seq list.txt**
Output Set: **N:\CRF4\03032006\J523400.raw**